ABSTRACT

The present invention relates to a system and methodology to facilitate automatic display and management of data items associated with a hierarchical tree arrangement of folders and subfolders. A computerized interface for data presentation is provided having a sorting component to determine categories relating to one or more items for display. A cluster component groups the categories according to discretized states in order to control visible output to the display. Such states can include packed and unpacked states, wherein packed states can cluster a plurality of items together and across several nodes, whereas unpacked items are controlled and displayed under a grouped heading in one context and as individual data items or entities in another context.